



# MISSOURI BOTANICAL GARDEN

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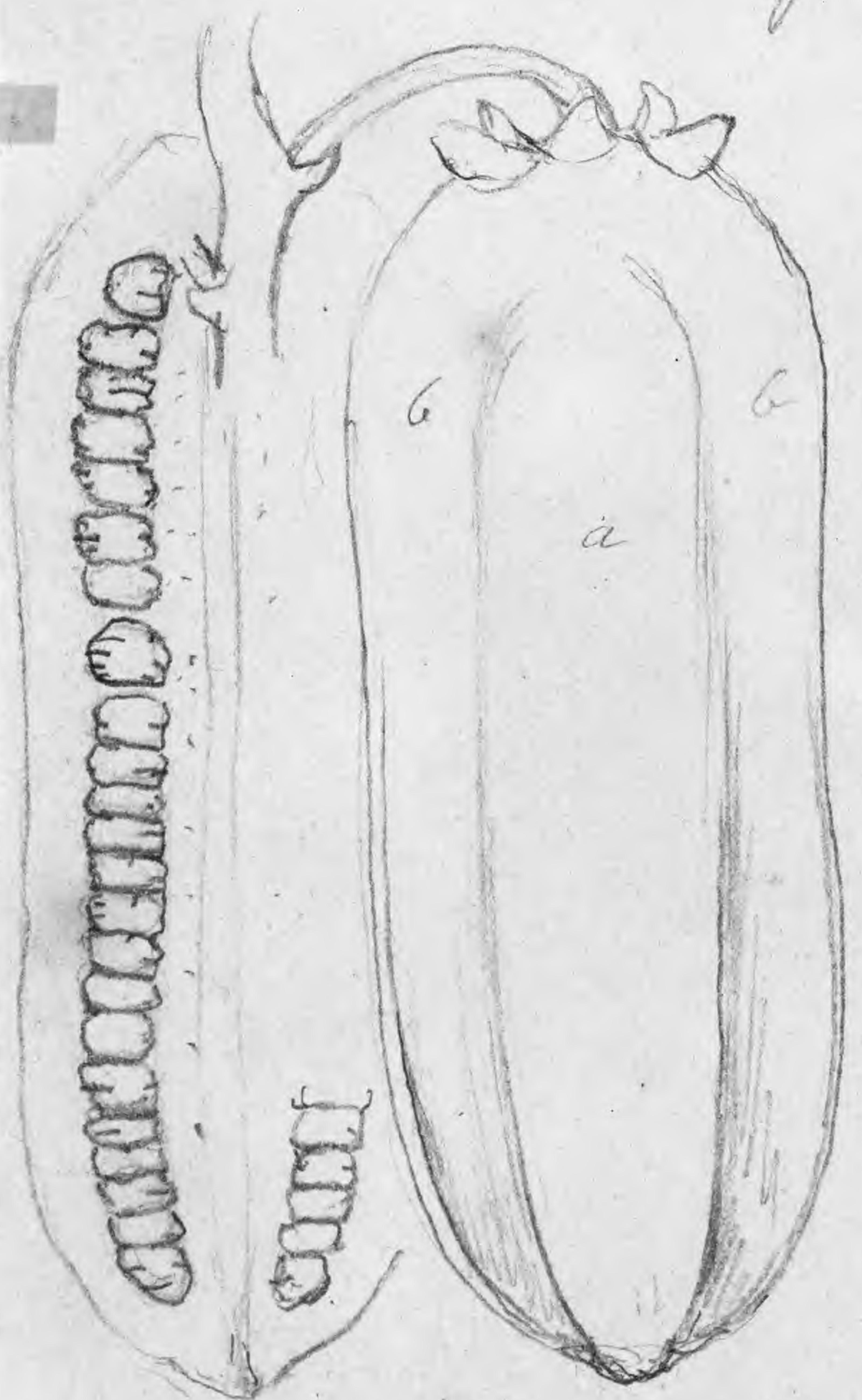


## GEORGE ENGELMANN BOTANICAL NOTEBOOKS

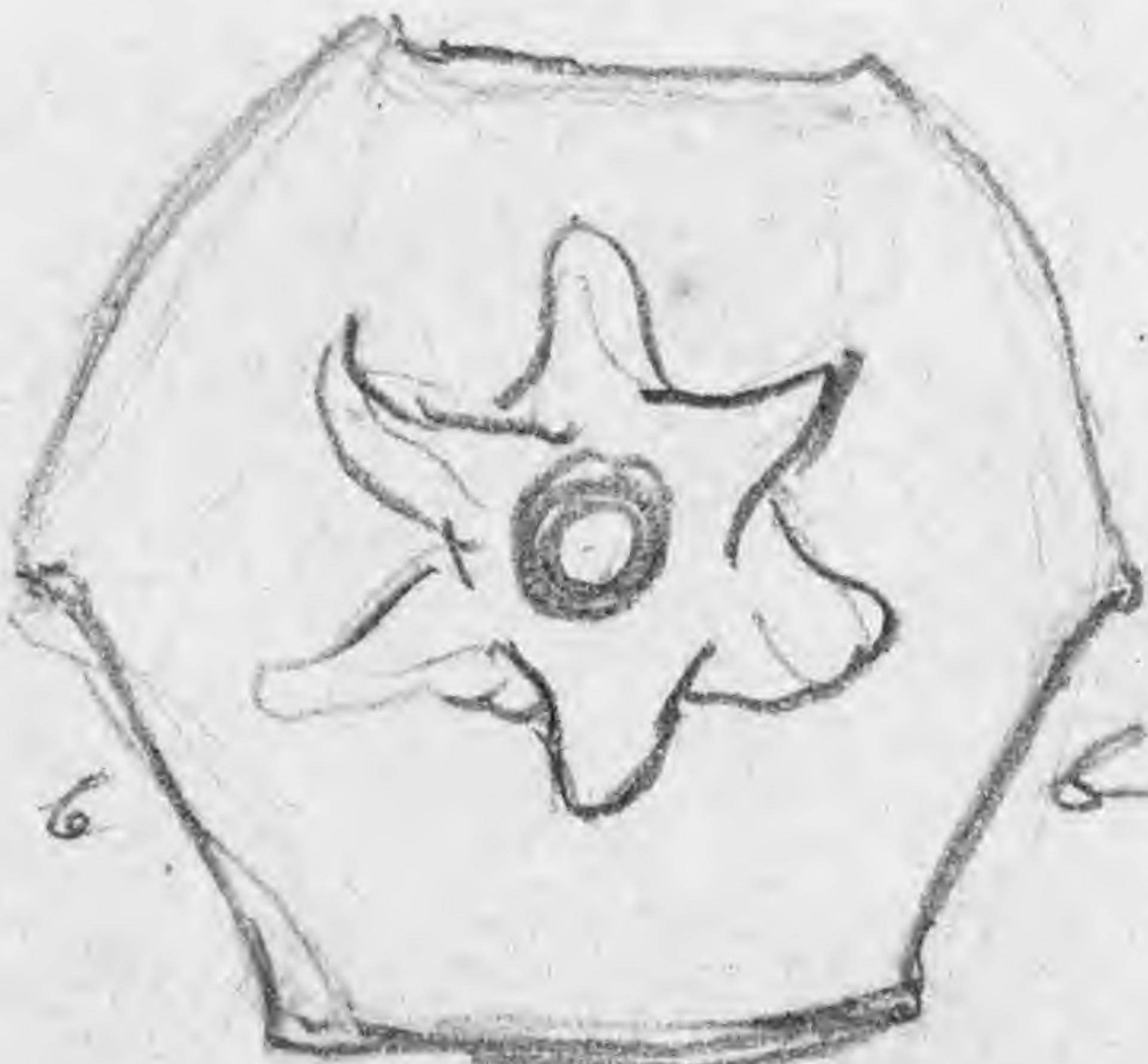
*Pagination Note:*  
*Since many of the items lack a specific page number, the page number displayed online refers to the sequentially created number each item was given upon cataloging the materials.*

*Y. aloifolia* Nov 1<sup>st</sup> 1890  
Washington, Schott

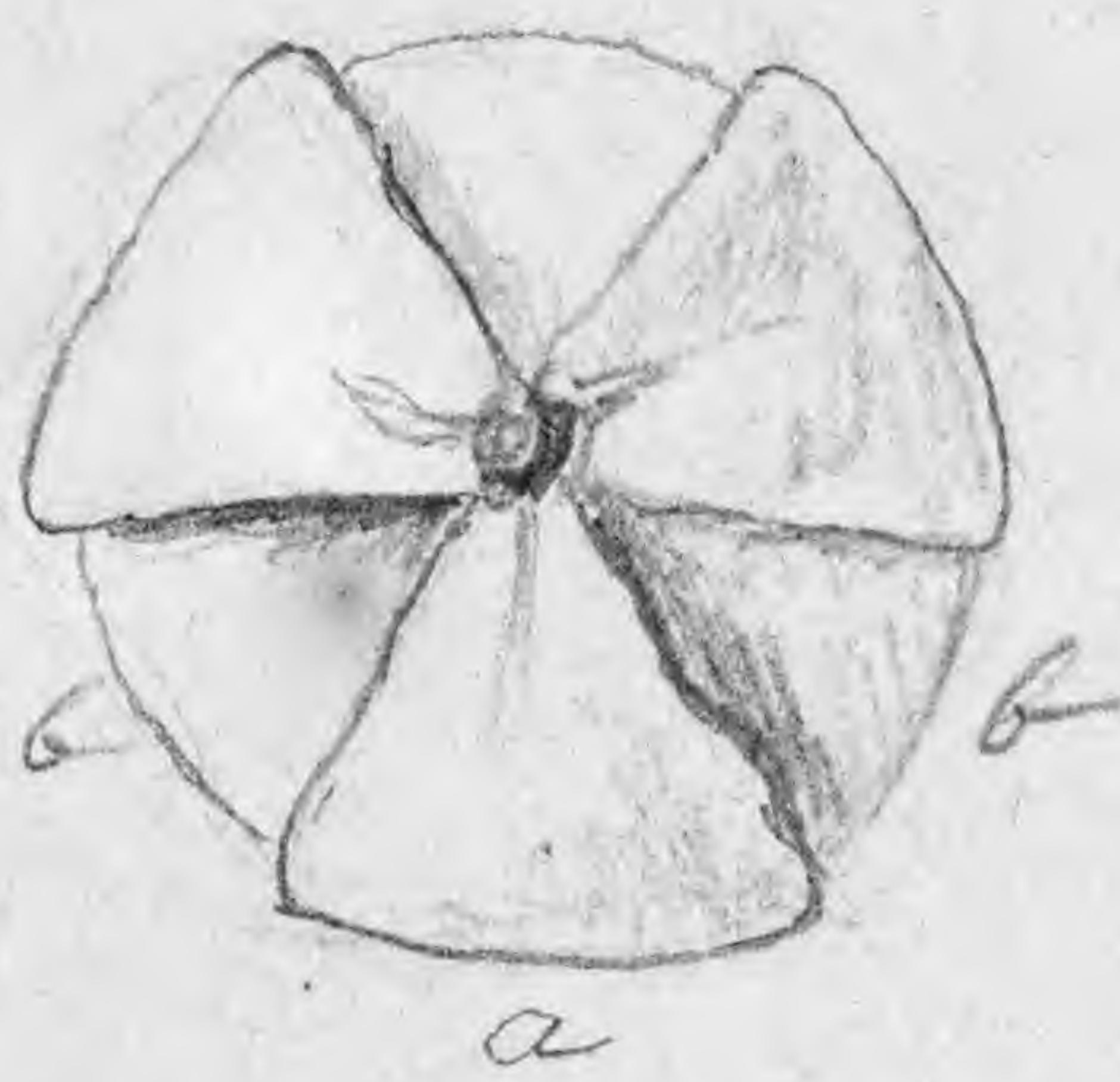
fresh, green fruit  
example



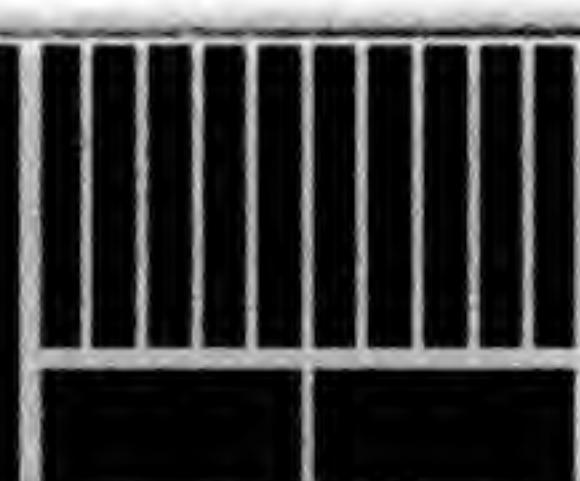
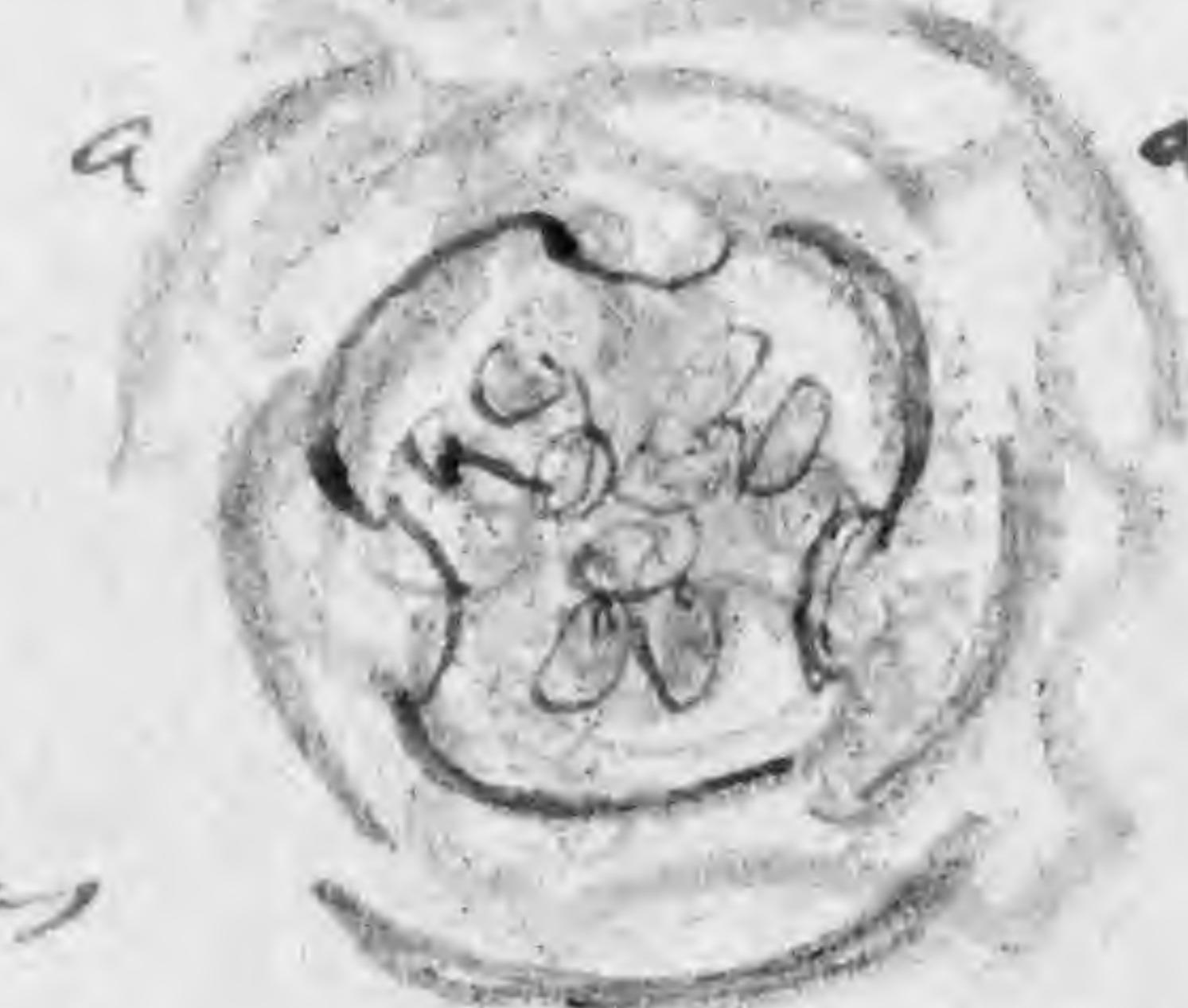
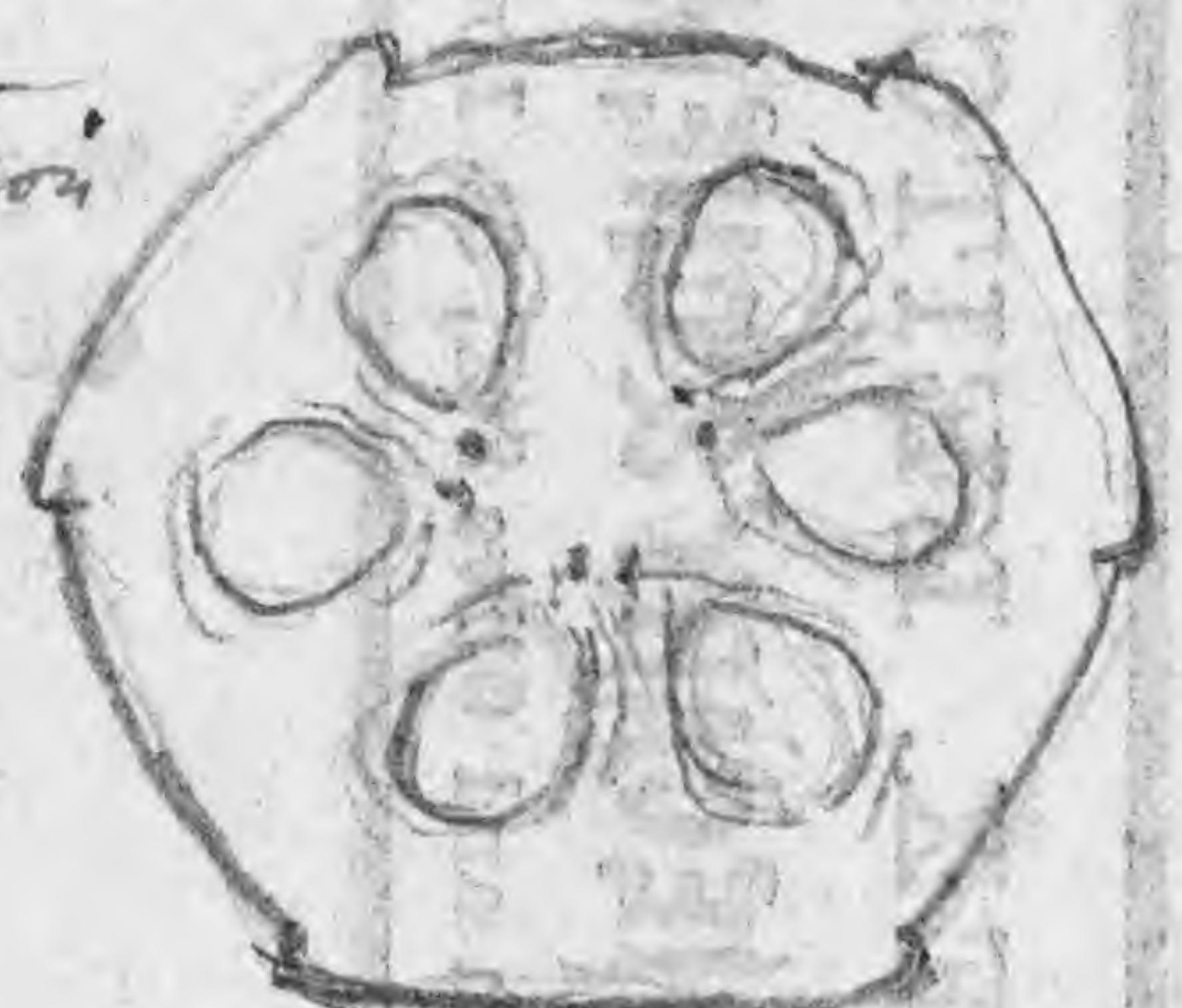
section of fruit  
and a row of seeds  
(20-24 in a row)



base <sup>a</sup>  
section  
of fruit  
top



exterior perigynial lobes  
opposite carpels  
interior opposite the now expanded folds <sup>a</sup>  
in fruit



0 1 2 3 4 5 6 7 8 9 10  
cm

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MISSOURI  
BOTANICAL  
GARDEN

8423



MISSOURI BOTANICAL GARDEN  
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0  
cm

1 2 3 4 5 6 7 8 9 10

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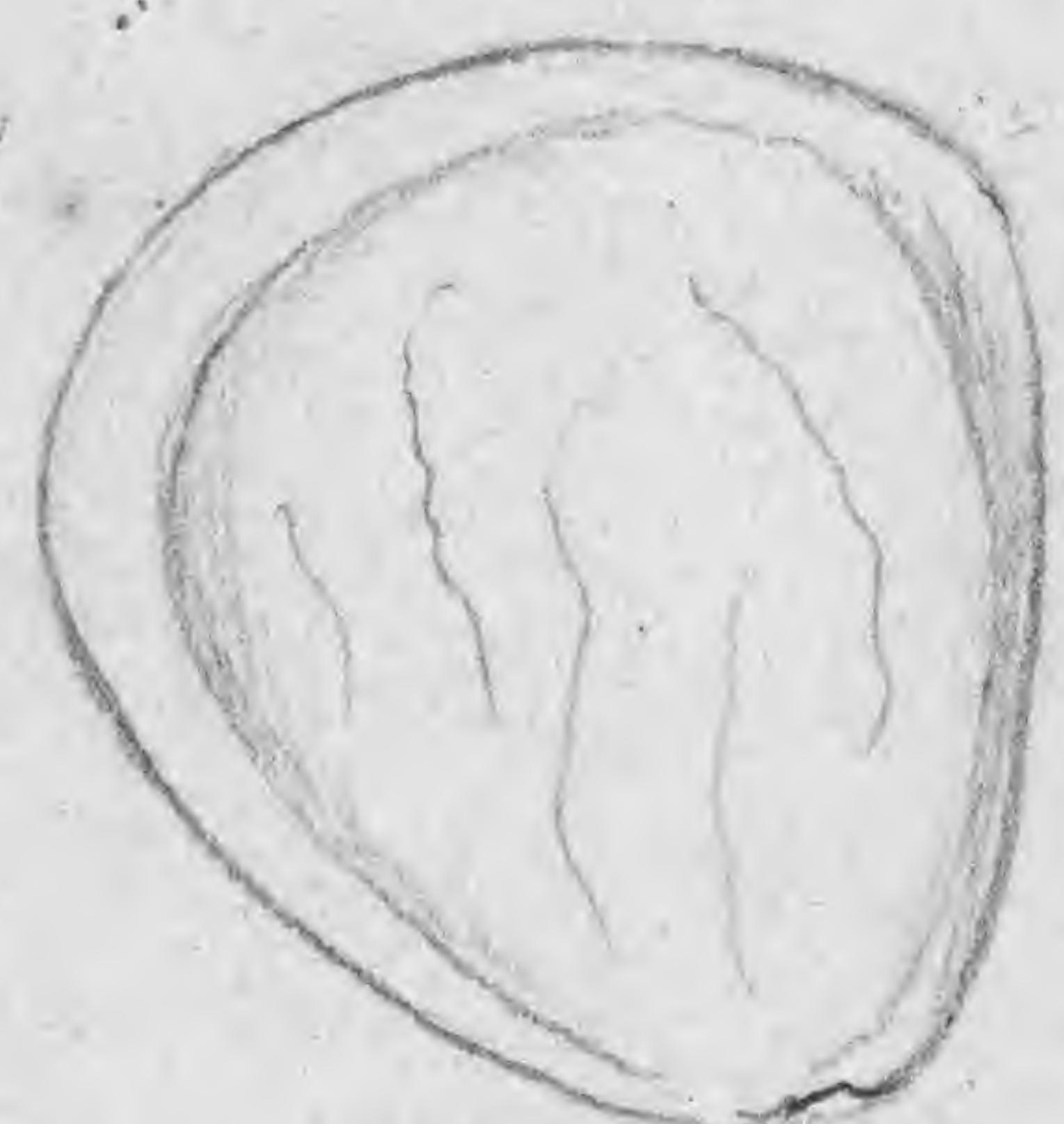


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*Y. aloefolia*  
coll. Washington 1870

Jan 6 1870

x4



0 1 2 3 4 5 6 7 8 9 10

cm

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cm

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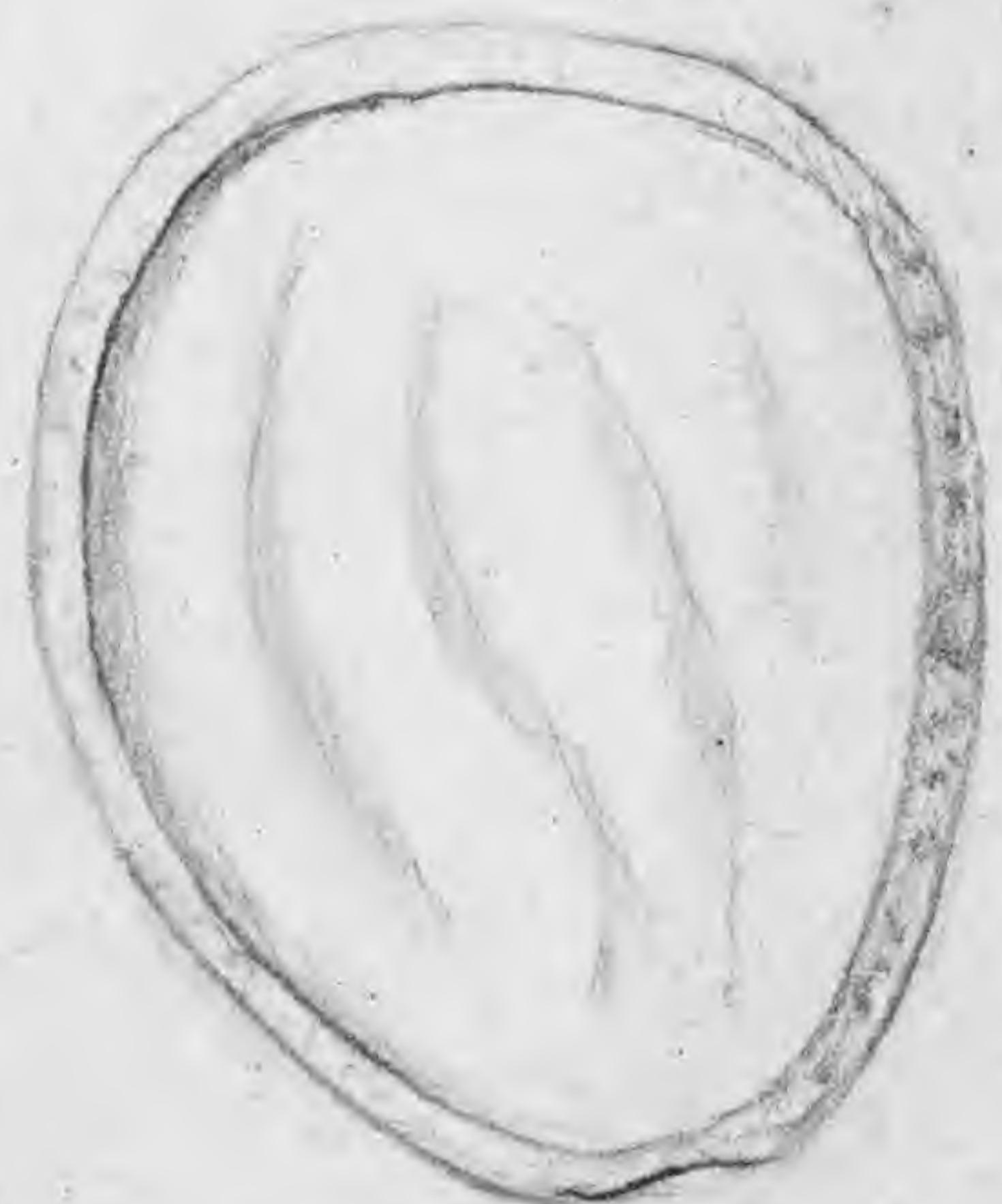
*Yucca "aloefolia"*

H. A. Venetian 1858

Jan 6 1871

×4

largest



flatter & larger than  
usual



usual form



0 1 2 3 4 5 6 7 8 9 10

cm

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
0 1 2 3 4 5 6 7 8 9 10

cm

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ST. LOUIS, MO.  
South East Corner Fifth and Middle Streets,  
APOTHECARY,  
HENRY DIER,  
Gentle & Apothecary.



0 1 2 3 4 5 6 7 8 9 10  
cm

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*Yucca elata*

June 17 1873

S. Caudron

Woodstock, Co.

x 280

Parashja

some coll.  
with him

Section of an old trunk

$\times 280$

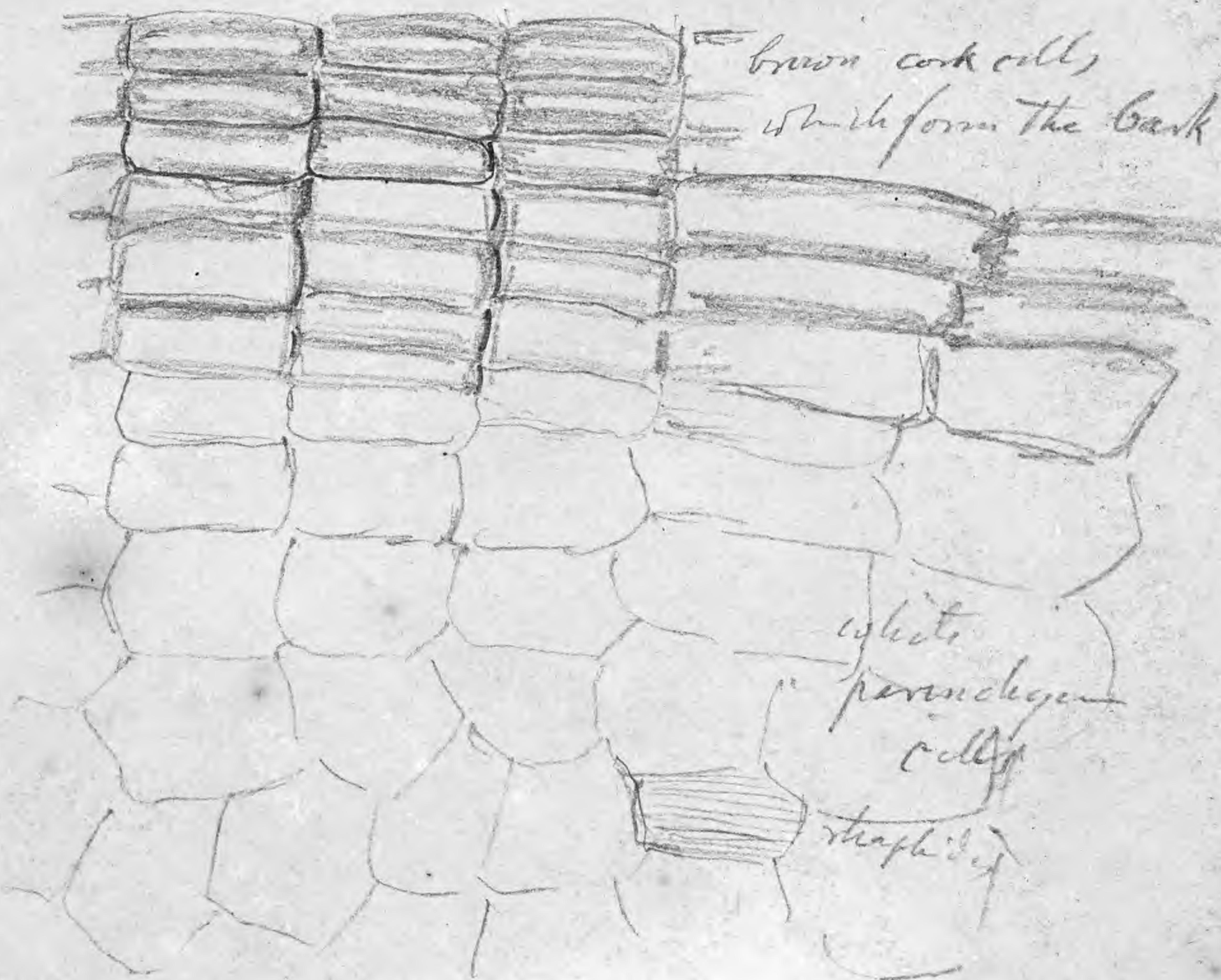
Corky bark

White side

the wood

Revised version No

brown cork coll)  
With over the back



0  
cm

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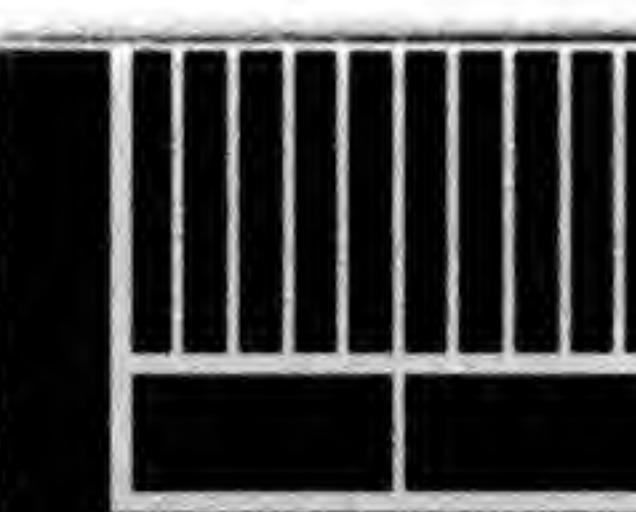
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J. McCormick & Co 36 N May 1852

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0

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cm

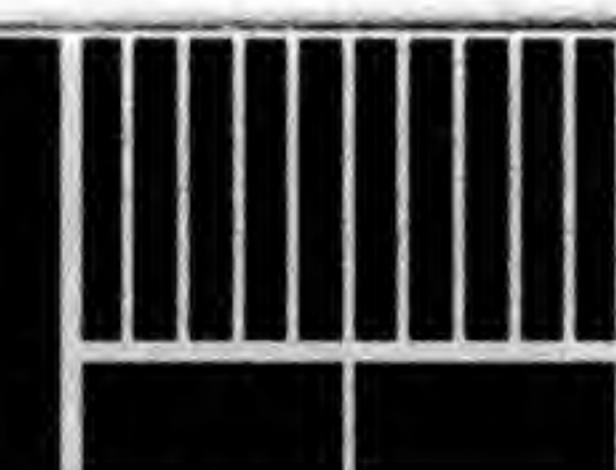
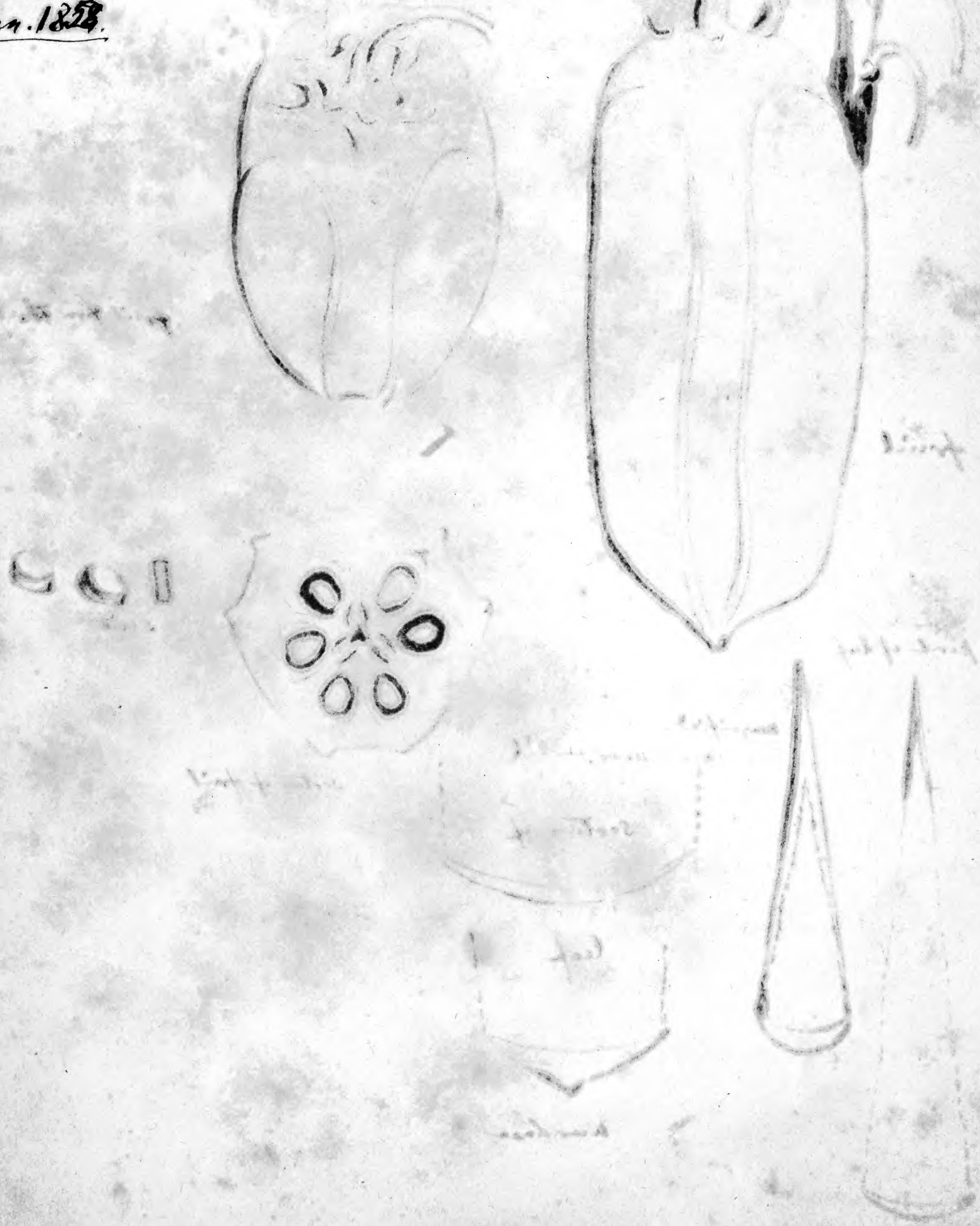
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"*Yucca aloefolia*" Hort. bot. var.

24 Jan. 1823.



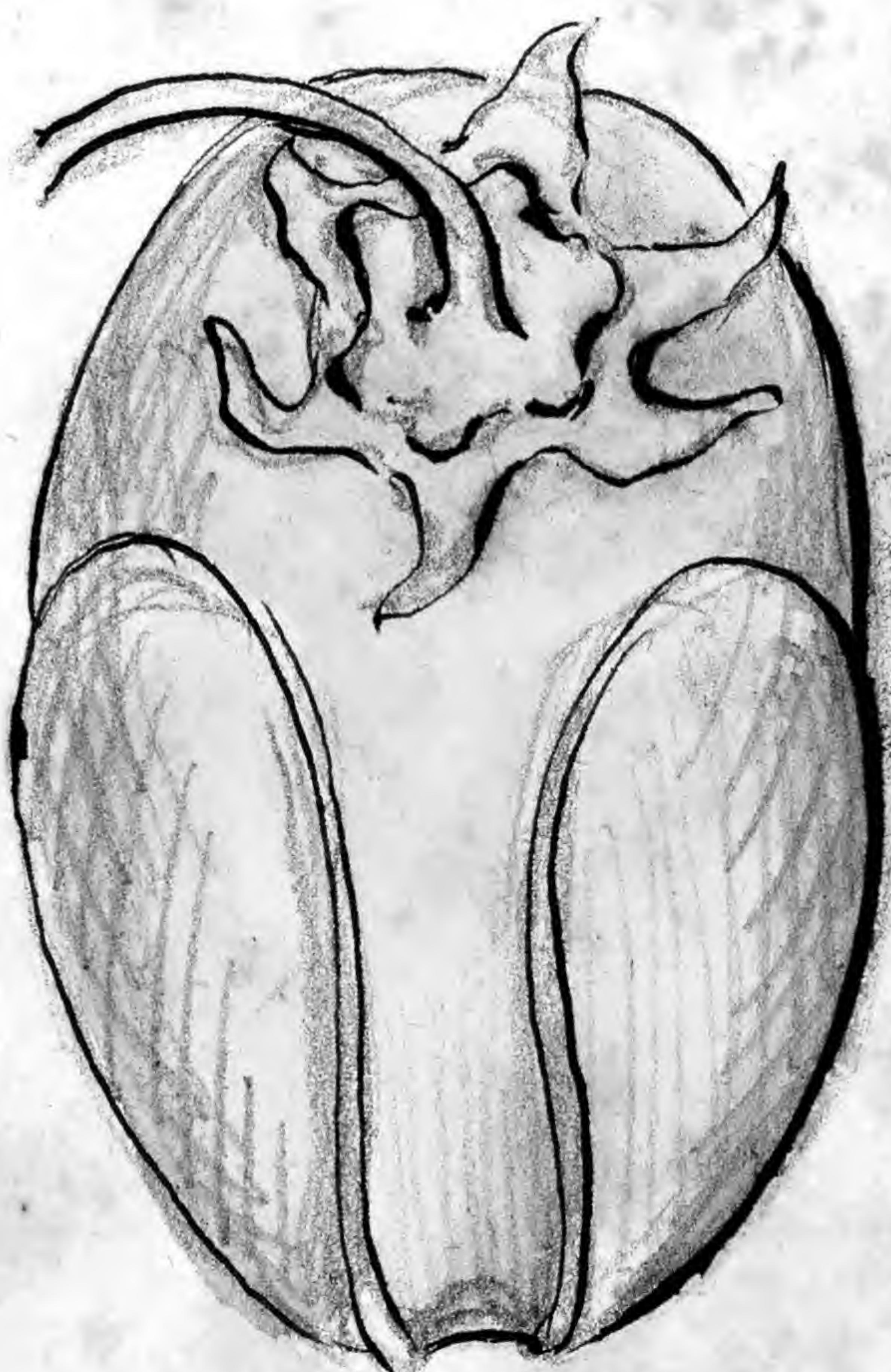
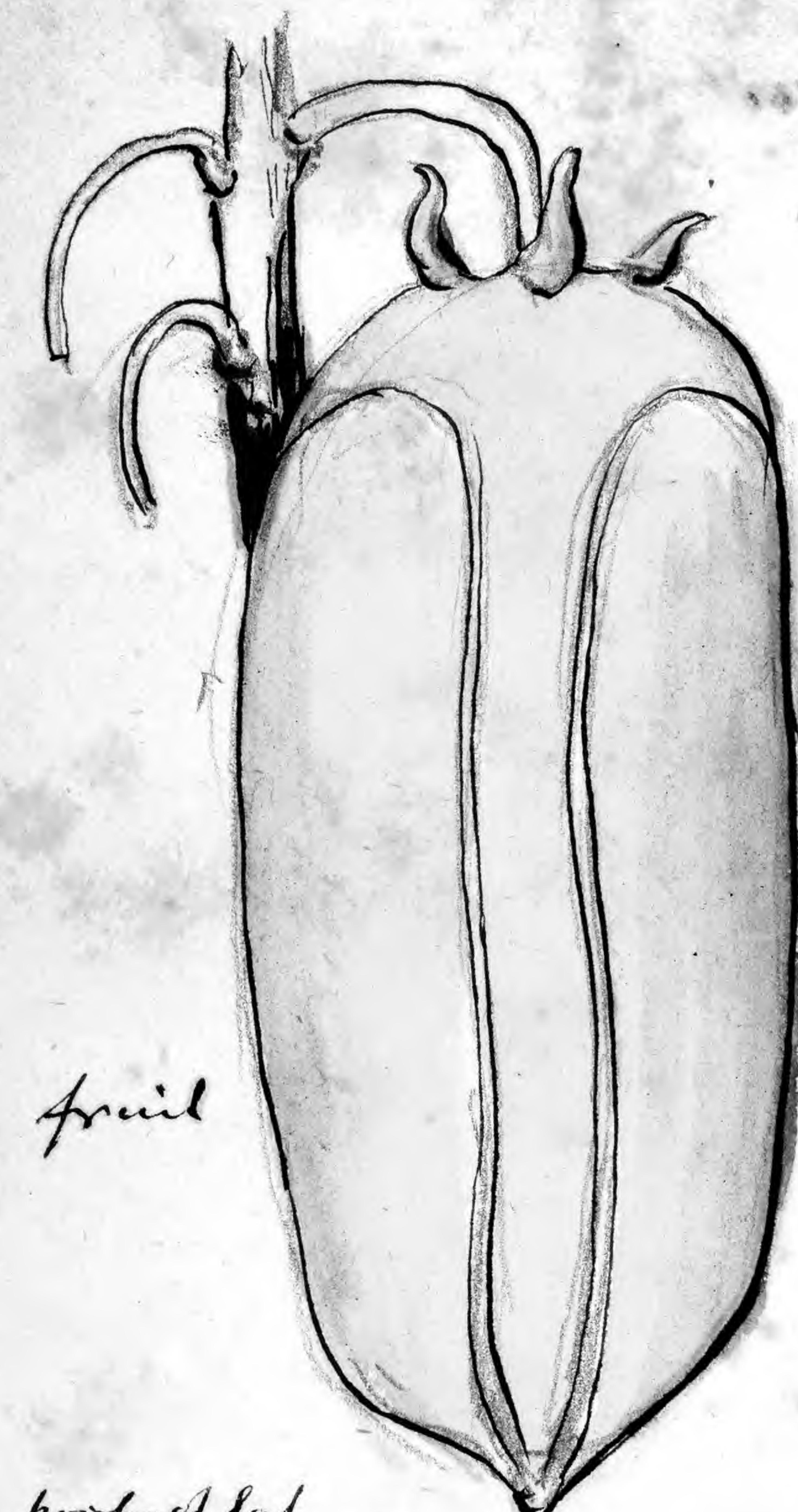
0  
cm

1 2 3 4 5 6 7 8 9 10

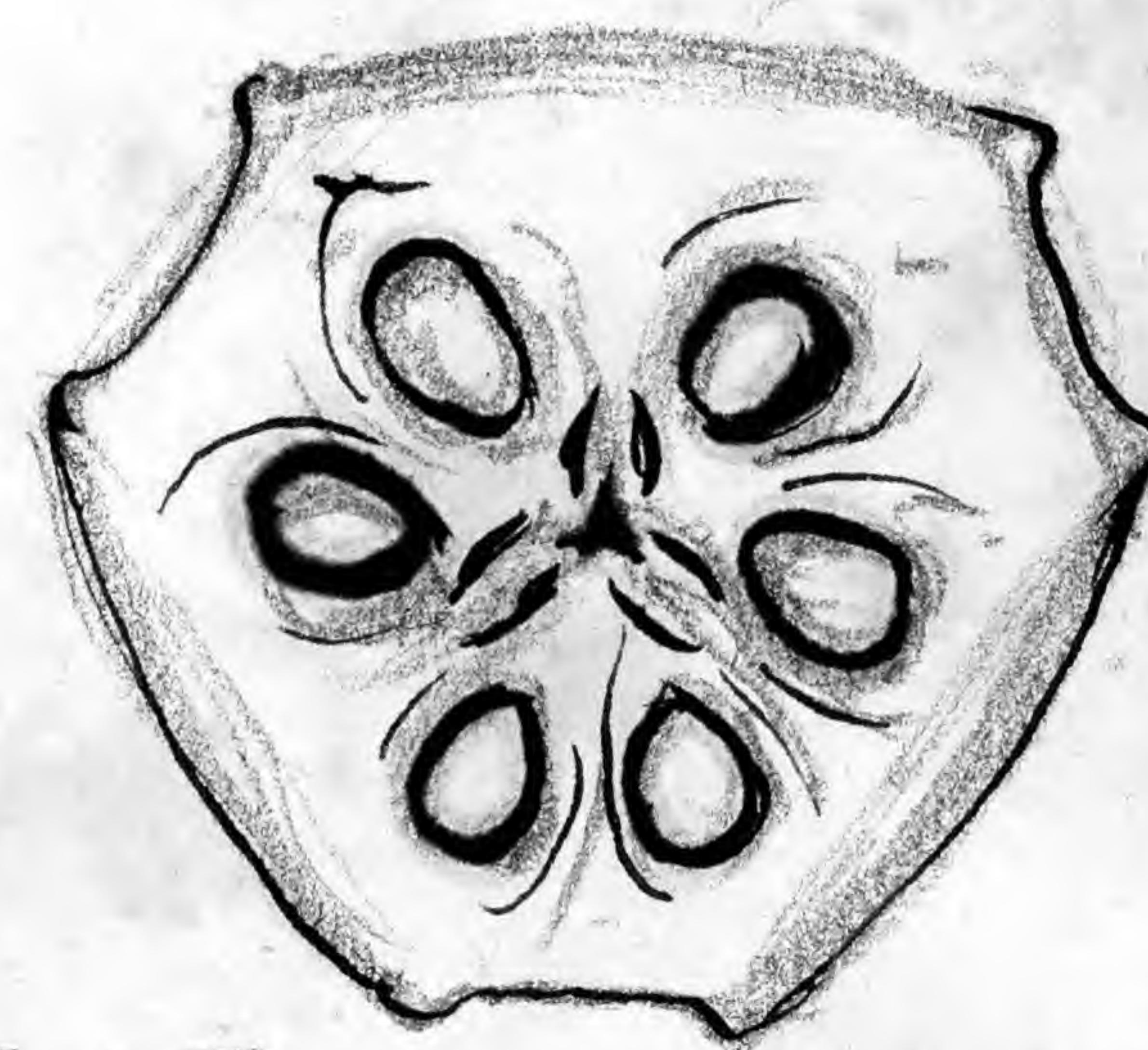
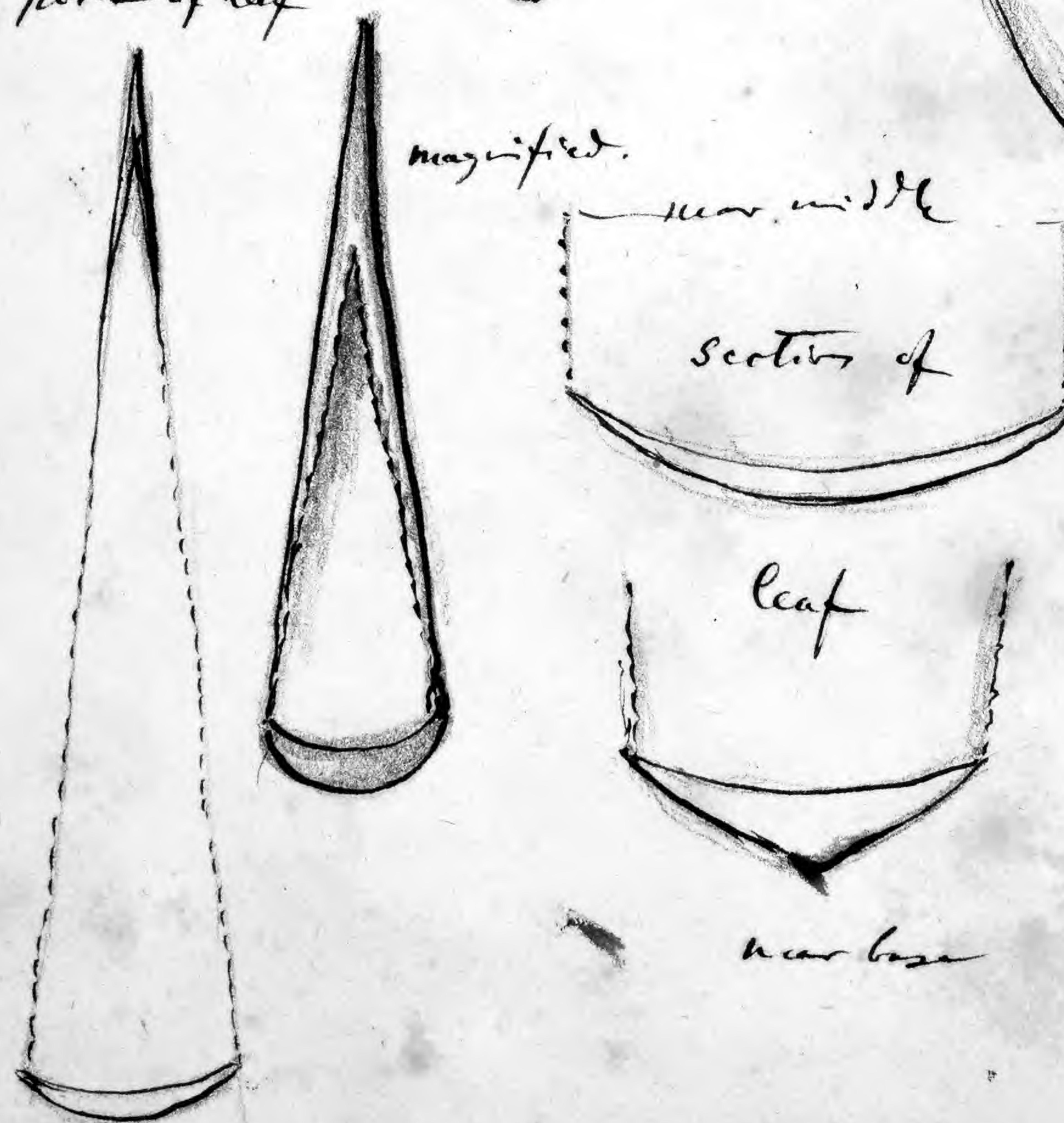
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part of leaf



0  
cm

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*Yucca aloefolia* Hort. bot. Venet.

Jan 24. 1858.

-8° Reaum. this morning — It is however sometimes -10° = 10° Fahrenheit.

A tree 20 feet high, in a <sup>branchy</sup> covered situation <sup>at</sup> near the house leaves with a slightly serrulate margin, thick and carinate near the base, concave or nearly flat in the middle, pointed at the tip and spinous; with the edges involute

fruit pendulous fleshing non dehiscens, with six fleshy appendages at base (the remains of the scutellum of the flower - or of the staminæ?) and thickenings at their base (which may represent the strolle, if the former are the staminæ?)

petals six carinate, triangular; base and narrower sides purple, broader sides granish, and rounded off towards the base not extending to the base itself.

Seeds in rows, small and thick.

July 1862 The three broad (purple) grooves may represent the slit or channel between anthers, which



0  
cm

1 2 3 4 5 6 7 8 9 10

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8428

is closed, or almost closed in flower, and  
may open and expand in fruit.

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cm

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*Y. aloifolia* - first record in Clusius Plantae exoticae 605  
when it was in cultivation in Holland.

"*Tacsonia polii* Dracunculus arboreus similis  
20 years later it is mentioned by Castelli (under the name  
of Aldini) in the Farnese Garden in Rome.  
1696 it is said by Sweet to have been introduced in Eng.



0 1 2 3 4 5 6 7 8 9 10  
cm

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cm

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Aug 10 1872

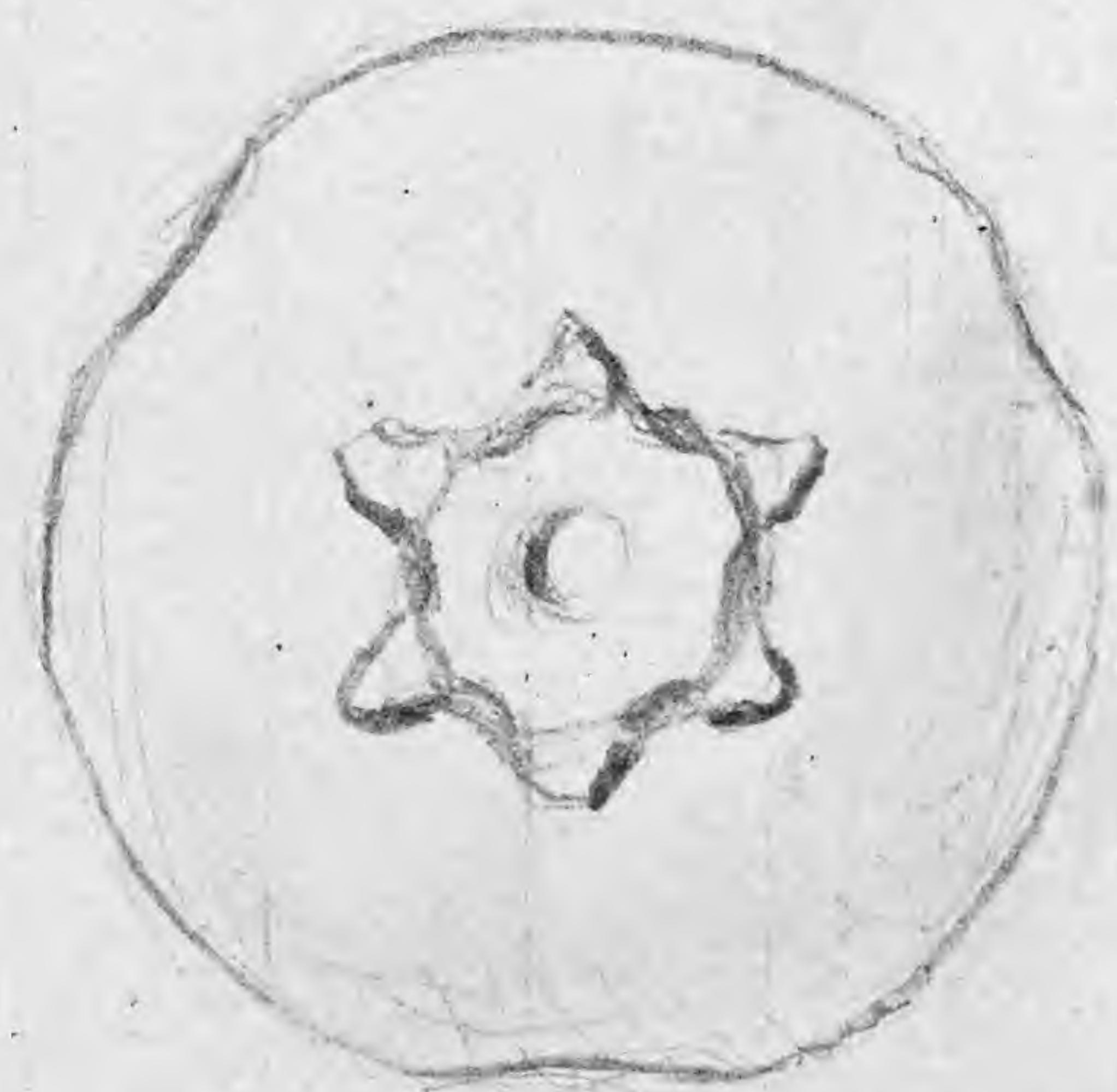
*Y. alaufolia*

full grown fruit from Bluffton S. C.

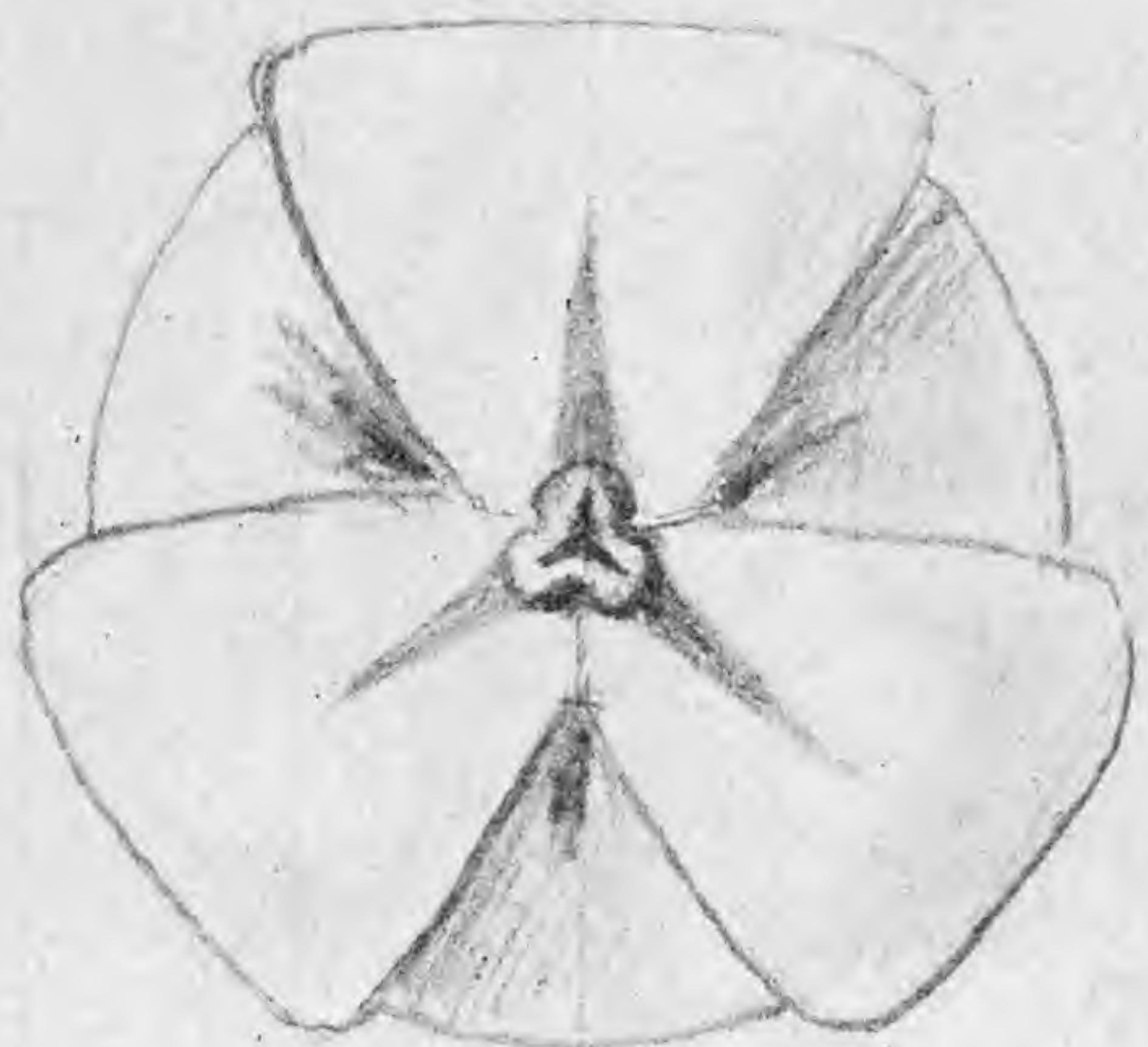
Dr. Webb's Specimen



Fleshy remnants of  
base of stamens



Fleshy base of fruit  
with the placenta in  
mind - 6 fleshy  
protuberances, base  
of stamens.



top, short robust  
stigma unaltered.



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cm

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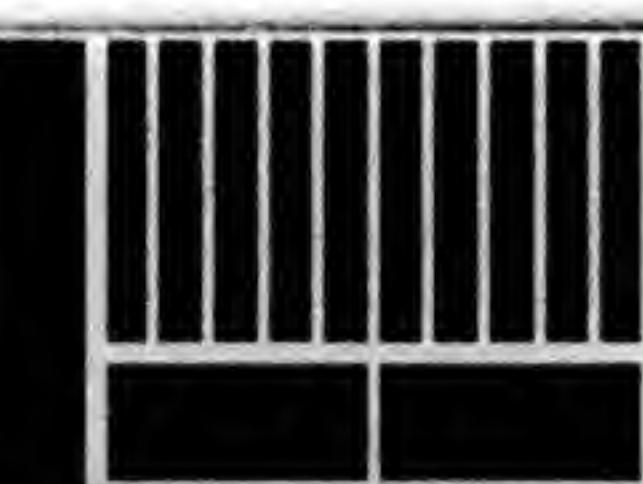
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cm

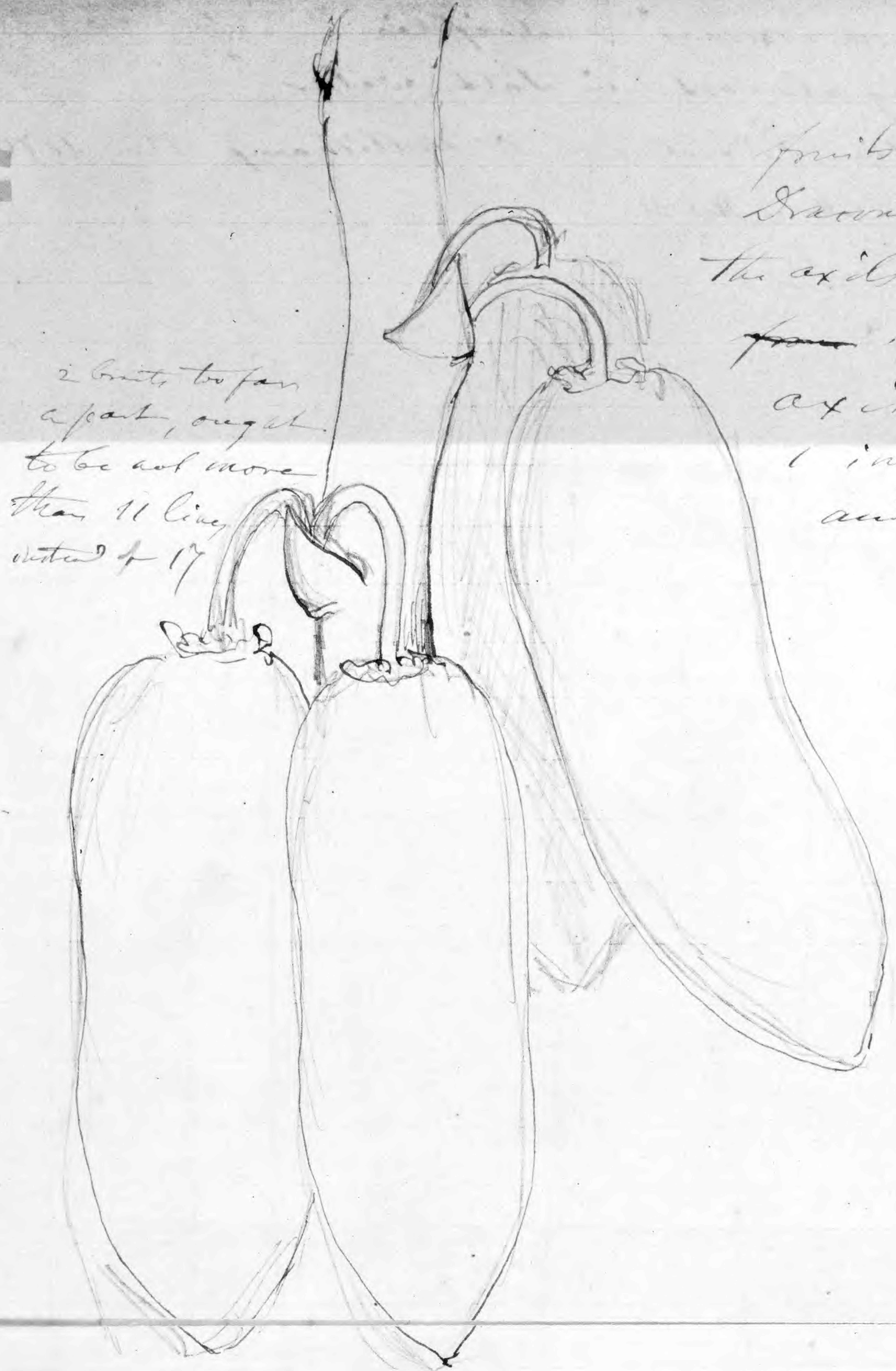
1 2 3 4 5 6 7 8 9 10

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No. 1870



fruits of the Slipper Yucca  
Grows in pairs from  
the axil of triangular bracts  
~~from~~ on a 6-7 lines thick  
axis - bracts less than  
1 inch apart (10-11 lines)  
and in  $\frac{3}{5}$  arrangement.

Leaves of *Y. gloriosa* with efflorescence - see Dr M's letter of Jan 15<sup>th</sup> 1871

Blooms in S Carolina in June to middle of July  
to end of July (1873)

middle of July 1873 stood on the beaches <sup>in</sup> saltwater on Daufuskie  
Island and is May now; 10 feet & more, high, simple - with young and  
older fruit - <sup>mostly!</sup> open with white efflorescence on leaves, others with buds to open  
in a few weeks  
and occasionally on young fruit!

pulpeating leaves very common, seedeaters (Bronnts) rare



0  
cm

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"Yucca Dracorhiz" - "aloifolia" Elliott  
"growing almost in salt water"  
Bluffton S. Carolina D. M. Ulrich Nov 1870  
see note - letter of Dec 31  
1870

a

XX

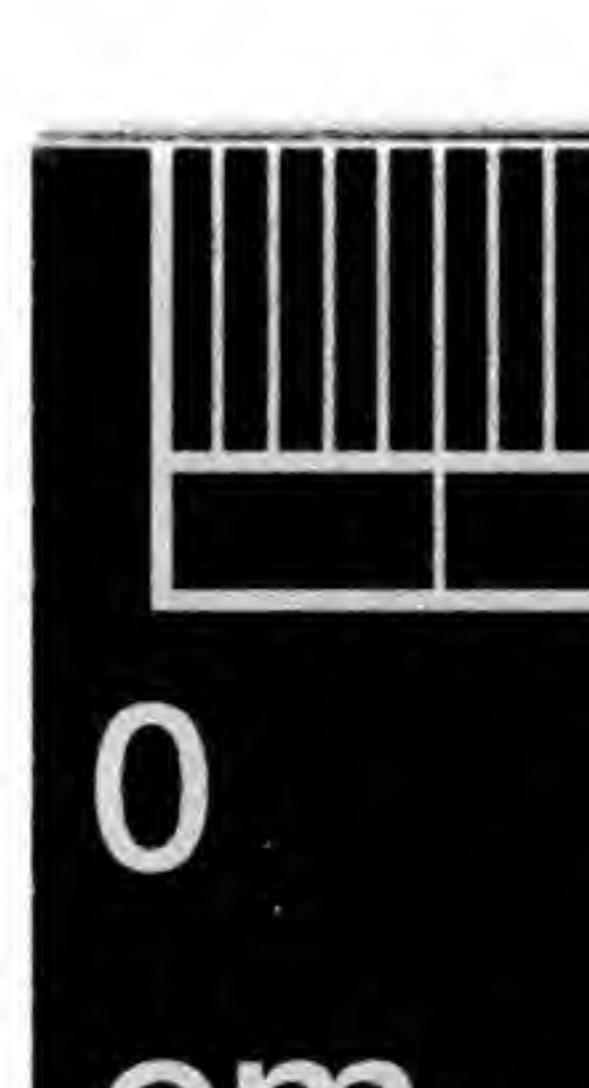
Same corner etc now  
Bluffton Nov 1870  
old leaf

a

x

XX

8431B



0  
cm

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BOTANICAL  
GARDEN